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Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
2-Aminopurine overrides multiple cell cycle checkpoints in BHK cells.	Andreassen, P R; Margolis, R L	Proc Natl Acad Sci U S A (1992 Mar 15)	89 / 2272-6	PubMed Cita
5' and 3' region variability in the dopamine transporter gene (SLC6A3), pesticide exposure and Parki ...	Kelada, Samir N P; Checkoway, Harvey; Kardia, Sharon L R; Carlson, Christopher S; Costa-Mallen, Paola; Eaton, David L; Firestone, Jordan; Powers, Karen M; Swanson, Phillip D; Franklin, Gary M; Longstreth Jr, W T; Weller, Terri-Smith; Afsharinejad, Zahra; Costa, Lucio G	Hum Mol Genet (2006 Oct 15)	15 / 3055-62	PubMed Cita
9-cis-retinoic acid: a direct-acting dysmorphogen.	Kraft, J C; Juchau, M R	Biochem Pharmacol (1993 Aug 17)	46 / 709-16	PubMed Cita
A biologically-based dose-response model for developmental toxicology.	Leroux, B G; Leisenring, W M; Moolgavkar, S H; Faustman, E M	Risk Anal (1996 Aug)	16 / 449-58	PubMed Cita
A Comprehensive Analysis of Replicative Lifespan in 4,698 Single-Gene Deletion Strains Uncovers Cons ...	McCormick, Mark A; Delaney, Joe R; Tsuchiya, Mitsuhiro; Tsuchiyama, Scott; Shemorry, Anna; Sim, Sylvia; Chou, Annie Chia-Zong; Ahmed, Umema; Carr, Daniel; Murakami, Christopher J; Schleit, Jennifer; Sutphin, George L; Wasko, Brian M; Bennett, Christopher F; Wang, Adrienne M; Olsen, Brady; Beyer, Richard P; Bammler,	Cell Metab (2015 Nov 03)	22 / 895-906	PubMed Cita

A disintegrin and metalloproteinase 17
regulates TNF and TNFR1 levels in
inflammation and liver rege ...

Theodor K; Prunkard,
Donna; Johnson, Simon
C; Pennypacker, Juniper
K; An, Elroy; Anies,
Arieanna; Castanza,
Anthony S; Choi,
Eunice; Dang, Nick;
Enerio, Shiena;
Fletcher, Marissa; Fox,
Lindsay; Goswami,
Sarani; Higgins, Sean
A; Holmberg, Molly A;
Hu, Di; Hui, Jessica;
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Ki-Soo; Johnston,
Elijah; Kerr, Emily O;
Kim, Jin; Kim, Diana;
Kirkland, Katie; Klum,
Shannon; Kotireddy,
Soumya; Liao, Eric;
Lim, Michael; Lin,
Michael S; Lo, Winston
C; Lockshon, Dan;
Miller, Hillary A;
Moller, Richard M;
Muller, Brian; Oakes,
Jonathan; Pak, Diana N;
Peng, Zhao Jun; Pham,
Kim M; Pollard, Tom
G; Pradeep, Prarthana;
Pruett, Dillon; Rai,
Dilreet; Robison, Brett;
Rodriguez, Ariana A;
Ros, Bopharoth; Sage,
Michael; Singh,
Manpreet K; Smith,
Erica D; Snead, Katie;
Solanky, Amrita;
Spector, Benjamin L;
Steffen, Kristan K;
Tchao, Bie Nga; Ting,
Marc K; Vander
Wende, Helen; Wang,
Dennis; Welton, K
Linnea; Westman, Eric
A; Brem, Rachel B; Liu,
Xin-Guang; Suh,
Yousin; Zhou,
Zhongjun; Kaeberlein,
Matt; Kennedy, Brian K

McMahan, Ryan S; Riehle, Kimberly J; Fausto, Nelson; Campbell, Jean S
Am J Physiol Gastrointest Liver Physiol (2013 Jul 1) 305 / G25-34 PubMed Cita

A flow cytometric comparison of DNA content and glutathione levels in hepatocytes of English sole (P ...	Jenner, N K; Ostrander, G K; Kavanagh, T J; Livesey, J C; Shen, M W; Kim, S C; Holmes, E H	Arch Environ Contam Toxicol (1990 Nov-Dec)	19 / 807-15	PubMed Cita
A novel role for serum response factor in neuronal survival.	Chang, Sandra H; Poser, Steve; Xia, Zhengui	J Neurosci (2004 Mar 03)	24 / 2277-85	PubMed Cita
A systems-based approach to investigate dose- and time-dependent methylmercury-induced gene expressi ...	Robinson, Joshua F; Guerrette, Zachariah; Yu, Xiaozhong; Hong, Sungwoo; Faustman, Elaine M	Birth Defects Res B Dev Reprod Toxicol (2010 Jun)	89 / 188-200	PubMed Cita
A systems-based computational model for dose-response comparisons of two mode of action hypotheses f ...	Gohlke, J M; Griffith, W C; Faustman, E M	Toxicol Sci (2005 Aug)	86 / 470-84	PubMed Cita
Acetaminophen-induced liver damage in mice is associated with gender-specific adduction of peroxired ...	Mohar, Isaac; Stamper, Brendan D; Rademacher, Peter M; White, Collin C; Nelson, Sidney D; Kavanagh, Terrance J	Redox Biol (2014)	2 / 377-87	PubMed Cita
Activation of the mitochondrial unfolded protein response does not predict longevity in Caenorhabdit ...	Bennett, Christopher F; Vander Wende, Helen; Simko, Marissa; Klum, Shannon; Barfield, Sarah; Choi, Haeri; Pineda, Victor V; Kaeberlein, Matt	Nat Commun (2014 Mar 24)	5 / 3483	PubMed Cita
Advantages of using aquatic animals for biomedical research on reproductive toxicology.	Mottet, N K; Landolt, M L	Environ Health Perspect (1987 Apr)	71 / 69-75	PubMed Cita
Age-related arterial telomere uncapping and senescence is greater in women compared with men.	Walker, Ashley E; Morgan, R Garrett; Ives, Stephen J; Cawthon, Richard M; Andtbacka, Robert H I; Noyes, Dirk; Lesniewski, Lisa A; Richardson, Russell S; Donato, Anthony J	Exp Gerontol (2016 Jan)	73 / 65-71	PubMed Cita
Air pollution and adverse cardiac remodeling: clinical effects and basic mechanisms.	Liu, Yonggang; Goodson, Jamie M; Zhang, Bo; Chin, Michael T	Front Physiol (2015)	6 / 162	PubMed Cita
Alternatively spliced isoforms of the human constitutive androstane receptor.	Auerbach, Scott S; Ramsden, Richard; Stoner, Matthew A; Verlinde, Christophe; Hassett, Christopher; Omiecinski, Curtis J	Nucleic Acids Res (2003 Jun 15)	31 / 3194-207	PubMed Cita
Analysis of methyl mercury binding sites on tubulin subunits and microtubules.	Vogel, D G; Margolis, R L; Mottet, N K	Pharmacol Toxicol (1989 Feb)	64 / 196-201	PubMed Cita

Analysis of mitochondria by flow cytometry.	Poot, M; Pierce, R H	Methods Cell Biol (2001)	64 / 117-28	PubMed Cita
Aneuploidy shortens replicative lifespan in <i>Saccharomyces cerevisiae</i> .	Sunshine, Anna B; Ong, Giang T; Nickerson, Daniel P; Carr, Daniel; Murakami, Christopher J; Wasko, Brian M; Shemorry, Anna; Merz, Alexey J; Kaeberlein, Matt; Dunham, Maitreya J	Aging Cell (2016 Apr)	15 / 317-24	PubMed Cita
Antioxidants for Alzheimer disease: a randomized clinical trial with cerebrospinal fluid biomarker m ...	Galasko, Douglas R; Peskind, Elaine; Clark, Christopher M; Quinn, Joseph F; Ringman, John M; Jicha, Gregory A; Cotman, Carl; Cottrell, Barbara; Montine, Thomas J; Thomas, Ronald G; Aisen, Paul; Alzheimer's Disease Cooperative Study	Arch Neurol (2012 Jul)	69 / 836-41	PubMed Cita
Applied molecular evolution of O6-benzylguanine-resistant DNA alkyltransferases in human hematopoiet ...	Davis, B M; Encell, L P; Zielske, S P; Christians, F C; Liu, L; Friebert, S E; Loeb, L A; Gerson, S L	Proc Natl Acad Sci U S A (2001 Apr 24)	98 / 4950-4	PubMed Cita
Arsenic-induced exencephaly in the mouse and associated lesions occurring during neurulation.	Morrissey, R E; Mottet, N K	Teratology (1983 Dec)	28 / 399-411	PubMed Cita
Association of body fat distribution with plasma lipids, lipoproteins, apolipoproteins AI and B in p ...	Soler, J T; Folsom, A R; Kushi, L H; Prineas, R J; Seal, U S	J Clin Epidemiol (1988)	41 / 1075-81	PubMed Cita
Astrocytes protect against diazinon- and diaxonon-induced inhibition of neurite outgrowth by regulat ...	Pizzurro, Daniella M; Dao, Khoi; Costa, Lucio G	Toxicology (2014 Apr 6)	318 / 59-68	PubMed Cita
Astrocytic dynamin-like protein 1 regulates neuronal protection against excitotoxicity in Parkinson ...	Hoekstra, Jake G; Cook, Travis J; Stewart, Tessandra; Mattison, Hayley; Dreisbach, Max T; Hoffer, Zachary S; Zhang, Jing	Am J Pathol (2015 Feb)	185 / 536-49	PubMed Cita
Attenuated progression of diet-induced steatohepatitis in glutathione-deficient mice.	Haque, Jamil A; McMahan, Ryan S; Campbell, Jean S; Shimizu-Albergine, Masami; Wilson, Angela M; Botta, Dianne; Bammler, Theo K; Beyer, Richard P; Montine, Thomas J; Yeh, Matthew M;	Lab Invest (2010 Dec)	90 / 1704-17	PubMed Cita

	Kavanagh, Terrance J; Fausto, Nelson			
Attenuation of nuclear factor kappa B (NF-kappaB) promotes apoptosis of kidney epithelial cells: a p ...	Woods, James S; Dieguez-Acuna, Francisco J; Ellis, Maureen E; Kushleika, John; Simmonds, P Lynne	Environ Health Perspect (2002 Oct)	110 Suppl 5 / 819-22	PubMed Cita
Autometallographic determination of inorganic mercury distribution in the cortex of the calcarine su ...	Charleston, J S; Body, R L; Mottet, N K; Vahter, M E; Burbacher, T M	Toxicol Appl Pharmacol (1995 Jun)	132 / 325-33	PubMed Cita
Baculovirus vectors repress phenobarbital-mediated gene induction and stimulate cytokine expression ...	Beck, N B; Sidhu, J S; Omiecinski, C J	Gene Ther ()	7 / 1274-83	PubMed Cita
Behavioral and biochemical effects of postnatal parathion exposure in the rat.	Stamper, C R; Balduini, W; Murphy, S D; Costa, L G	Neurotoxicol Teratol (1988 May-Jun)	10 / 261-6	PubMed Cita
Benzene and benzene metabolites as embryotoxic agents: effects on cultured rat embryos.	Chapman, D E; Namkung, M J; Juchau, M R	Toxicol Appl Pharmacol (1994 Sep)	128 / 129-37	PubMed Cita
Bioactivation in chemical teratogenesis.	Juchau, M R	Annu Rev Pharmacol Toxicol (1989)	29 / 165-87	PubMed Cita
Bioactivation of aflatoxin B1 by human liver microsomes: role of cytochrome P450 IIIA enzymes.	Ramsdell, H S; Parkinson, A; Eddy, A C; Eaton, D L	Toxicol Appl Pharmacol (1991 May)	108 / 436-47	PubMed Cita
Biochemical and immunochemical analysis of rat brain dynamin interaction with microtubules and organ ...	Scaife, R; Margolis, R L	J Cell Biol (1990 Dec)	111 / 3023-33	PubMed Cita
Biochemical Genetic Pathways that Modulate Aging in Multiple Species.	Bitto, Alessandro; Wang, Adrienne M; Bennett, Christopher F; Kaeberlein, Matt	Cold Spring Harb Perspect Med (2015 Nov)	5 /	PubMed Cita
Biologic variables in the hair uptake of methylmercury from blood in the macaque monkey.	Mottet, N K; Body, R L; Wilkens, V; Burbacher, T M	Environ Res (1987 Apr)	42 / 509-23	PubMed Cita
Biomarkers of organophosphorus (OP) exposures in humans.	Marsillach, Judit; Richter, Rebecca J; Kim, Jerry H; Stevens, Richard C; MacCoss, Michael J; Tomazela, Daniela; Suzuki, Stephanie M; Schopfer, Lawrence M; Lockridge, Oksana; Furlong, Clement E	Neurotoxicology (2011 Oct)	32 / 656-60	PubMed Cita
Biomarkers of Parkinson's disease: current status and future perspectives.	Wang, Jian; Hoekstra, Jake G; Zuo, Chuantao; Cook, Travis J; Zhang, Jing	Drug Discov Today (2013 Feb)	18 / 155-62	PubMed Cita

Biotransformation of all-trans-retinal, 13-cis-retinal, and 9-cis-retinal catalyzed by conceptual cyt ...	Chen, H; Juchau, M R	Biochem Pharmacol (1997 Mar 21)	53 / 877-85	PubMed Cita
Biotransformation of all-trans-retinol and all-trans-retinal to all-trans-retinoic acid in rat conce ...	Chen, H; Namkung, M J; Juchau, M R	Biochem Pharmacol (1995 Oct 12)	50 / 1257-64	PubMed Cita
Cadmium hypersusceptibility in the C3H mouse liver: cell specificity and possible role of metallothi ...	Quaife, C; Durnam, D; Mottet, N K	Toxicol Appl Pharmacol (1984 Oct)	76 / 9-17	PubMed Cita
cAMP-dependent regulation of P450-catalyzed dealkylation in rat conceptual tissues.	Lee, Q P; Yang, H Y; Namkung, M J; Juchau, M R	Reprod Toxicol (1991)	5 / 473-80	PubMed Cita
CAR2 displays unique ligand binding and RXRalpha heterodimerization characteristics.	Auerbach, Scott S; Dekeyser, Joshua G; Stoner, Matthew A; Omiecinski, Curtis J	Drug Metab Dispos (2007 Mar)	35 / 428-39	PubMed Cita
Carbon monoxide inhibits monooxygenation by the conceptus and embryotoxic effects of proteratogens i ...	Faustman-Watts, E M; Giachelli, C M; Juchau, M R	Toxicol Appl Pharmacol (1986 May)	83 / 590-5	PubMed Cita
Caspase-3-Dependent Cleavage of the Glutamate-L-Cysteine Ligase Catalytic Subunit during Apoptotic C ...	Franklin, Christopher C; Krejsa, Cecile M; Pierce, Robert H; White, Collin C; Fausto, Nelson; Kavanagh, Terrance J	Am J Pathol (2002 May)	160 / 1887-94	PubMed Cita
Catalytic activity and quantitation of cytochrome P-450 2E1 in prenatal human brain.	Brzezinski, M R; Boutelet-Bochan, H; Person, R E; Fantel, A G; Juchau, M R	J Pharmacol Exp Ther (1999 Jun)	289 / 1648-53	PubMed Cita
Cellular and molecular biology of aging endothelial cells.	Donato, Anthony J; Morgan, R Garrett; Walker, Ashley E; Lesniewski, Lisa A	J Mol Cell Cardiol (2015 Dec)	89 / 122-35	PubMed Cita
Cerebrospinal fluid peptides as potential Parkinson disease biomarkers: a staged pipeline for discov ...	Shi, Min; Movius, James; Dator, Romel; Aro, Patrick; Zhao, Yanchun; Pan, Catherine; Lin, Xiangmin; Bammler, Theo K; Stewart, Tessandra; Zabetian, Cyrus P; Peskind, Elaine R; Hu, Shu-Ching; Quinn, Joseph F; Galasko, Douglas R; Zhang, Jing	Mol Cell Proteomics (2015 Mar)	14 / 544-55	PubMed Cita
Changes in the number of astrocytes and microglia in the thalamus of the monkey Macaca fascicularis ...	Charleston, J S; Body, R L; Bolender, R P; Mottet, N K; Vahter, M E; Burbacher, T M	Neurotoxicology (1996)	17 / 127-38	PubMed Cita

Characterization of a CMPNeuAc: lactosylceramide alpha 2----3sialyltransferase from rainbow trout he ...	Ostrander, G K; Holmes, E H	Comp Biochem Physiol B (1991)	98 / 87-95	PubMed Cita
Characterization of cytoskeletal and neuronal markers in micromass cultures of rat embryonic midbrai ...	Whittaker, S G; Wroble, J T; Silbernagel, S M; Faustman, E M	Cell Biol Toxicol (1993 Oct-Dec)	9 / 359-75	PubMed Cita
Characterization of the in vitro transcriptional activity of polymorphic alleles of the human monoam ...	Costa-Mallen, Paola; Kelada, Samir N; Costa, Lucio G; Checkoway, Harvey	Neurosci Lett (2005 Jul 22-29)	383 / 171-5	PubMed Cita
Chemical characterization and in vitro toxicity of diesel exhaust particulate matter generated under ...	Fox, Julie Richman; Cox, David P; Drury, Bertram E; Gould, Timothy R; Kavanagh, Terrance J; Paulsen, Michael H; Sheppard, Lianne; Simpson, Christopher D; Stewart, James A; Larson, Timothy V; Kaufman, Joel D	Air Qual Atmos Health (2015 Oct 1)	8 / 507-519	PubMed Cita
Chemical teratogenesis in humans: biochemical and molecular mechanisms.	Juchau, M R	Prog Drug Res (1997)	49 / 25-92	PubMed Cita
Chemical teratogenesis.	Juchau, M R	Prog Drug Res (1993)	41 / 9-50	PubMed Cita
Chemically induced growth inhibition and cell cycle perturbations in cultures of differentiating rod ...	Ribeiro, P L; Faustman, E M	Toxicol Appl Pharmacol (1990 Jun 15)	104 / 200-11	PubMed Cita
Chi enhances heteroduplex DNA levels during recombination.	Holbeck, S L; Smith, G R	Genetics (1992 Dec)	132 / 879-91	PubMed Cita
Chronic beryllium disease and glutathione biosynthesis genes.	Bekris, Lynn M; Viernes, Hannah-Malia A; Farin, Federico M; Maier, Lisa A; Kavanagh, Terrance J; Takaro, Tim K	J Occup Environ Med (2006 Jun)	48 / 599-606	PubMed Cita
Comparative effects of butylated hydroxyanisole on hepatic in vivo DNA binding and in vitro biotrans ...	Monroe, D H; Eaton, D L	Toxicol Appl Pharmacol (1987 Sep 30)	90 / 401-9	PubMed Cita
Computational models of ethanol-induced neurodevelopmental toxicity across species: Implications for ...	Gohlke, Julia M; Griffith, William C; Faustman, Elaine M	Birth Defects Res B Dev Reprod Toxicol (2008 Feb)	83 / 1-11	PubMed Cita
Conceptual biotransformation of 4-oxo-all-trans-retinoic acid, 4-oxo-13-cis-retinoic acid and all-tr ...	Creech Kraft, J; Juchau, M R	Biochem Pharmacol (1992 May 28)	43 / 2289-92	PubMed Cita
Contaminants of emerging concern in a large temperate estuary.	Meador, James P; Yeh, Andrew; Young, Graham; Gallagher, Evan P	Environ Pollut (2016 Jun)	213 / 254-67	PubMed Cita

Coordinate accumulation of five transcripts in the primary mesenchyme during skeletogenesis in the s ...	Harkey, M A; Whiteley, H R; Whiteley, A H	Dev Biol (1988 Feb)	125 / 381-95	PubMed Cita
Correlations between conceptual concentrations of all-trans-retinoic acid and dysmorphogenesis after ...	Kraft, J C; Juchau, M R	Drug Metab Dispos (1992 Mar-Apr)	20 / 218-25	PubMed Cita
Critical role of R-loops in processing replication blocks.	Camps, Manel; Loeb, Lawrence A	Front Biosci (2005 Jan 01)	10 / 689-98	PubMed Cita
Crystallization and preliminary X-ray studies of I-PpoI: a nuclear, intron-encoded homing endonuclease ...	Flick, K E; McHugh, D; Heath, J D; Stephens, K M; Monnat Jr, R J; Stoddard, B L	Protein Sci (1997 Dec)	6 / 2677-80	PubMed Cita
Current advances in unraveling the function of the Werner syndrome protein.	Ozgenc, Ali; Loeb, Lawrence A	Mutat Res (2005 Sep 04)	577 / 237-51	PubMed Cita
Cyclopamine-induced holoprosencephaly and associated craniofacial malformations in the golden hamster ...	Coventry, S; Kapur, R P; Siebert, J R	Pediatr Dev Pathol (1998 Jan-Feb)	1 / 29-41	PubMed Cita
Cytochrome-P450-dependent biotransformation of xenobiotics in human and rodent embryonic tissues.	Juchau, M R; Boutelet-Bochan, H; Huang, Y	Drug Metab Rev (1998 Aug)	30 / 541-68	PubMed Cita
Defining Molecular Basis for Longevity Traits in Natural Yeast Isolates.	Kaya, Alaattin; Ma, Siming; Wasko, Brian; Lee, Mitchell; Kaeberlein, Matt; Gladyshev, Vadim N	NPJ Aging Mech Dis (2015)	1 /	PubMed Cita
Demethylation of methyl mercury in different brain sites of Macaca fascicularis monkeys during long- ...	Vahter, M E; Mottet, N K; Friberg, L T; Lind, S B; Charleston, J S; Burbacher, T M	Toxicol Appl Pharmacol (1995 Oct)	134 / 273-84	PubMed Cita
Detection of changes in mitochondrial function during apoptosis by simultaneous staining with multip ...	Poot, M; Pierce, R H	Cytometry (1999 Apr 1)	35 / 311-7	PubMed Cita
Detection of oxidative stress in lymphocytes using dichlorodihydrofluorescein diacetate.	Krejsa, C M; Schieven, G L	Methods Mol Biol (2000)	99 / 35-47	PubMed Cita
Developmental toxicity of aflatoxin B1 in the rodent embryo in vitro: contribution of exogenous biot ...	Geissler, F; Faustman, E M	Teratology (1988 Feb)	37 / 101-11	PubMed Cita
Diagnosis of early pregnancy by ultrasound in Macaca fascicularis.	Conrad, S H; Sackett, G P; Burbacher, T M	J Med Primatol (1989)	18 / 143-54	PubMed Cita
Diazinon and diaxonon impair the ability of astrocytes to foster neurite outgrowth in primary hippoc ...	Pizzurro, Daniella M; Dao, Khoi; Costa, Lucio G	Toxicol Appl Pharmacol (2014 Feb 1)	274 / 372-82	PubMed Cita
DIESEL particulate exposed macrophages alter endothelial cell expression of eNOS, iNOS, MCP1, and gl ...	Weldy, Chad S; Wilkerson, Hui-Wen; Larson, Timothy V; Stewart, James A; Kavanagh, Terrance J	Toxicol In Vitro (2011 Dec)	25 / 2064-73	PubMed Cita

Dietary restriction and mitochondrial function link replicative and chronological aging in Saccharomyces cerevisiae	Delaney, Joe R; Murakami, Christopher; Chou, Annie; Carr, Daniel; Schleit, Jennifer; Sutphin, George L; An, Elroy H; Castanza, Anthony S; Fletcher, Marissa; Goswami, Sarani; Higgins, Sean; Holmberg, Mollie; Hui, Jessica; Jelic, Monika; Jeong, Ki-Soo; Kim, Jin R; Klum, Shannon; Liao, Eric; Lin, Michael S; Lo, Winston; Miller, Hillary; Moller, Richard; Peng, Zhao J; Pollard, Tom; Pradeep, Prarthana; Pruett, Dillon; Rai, Dilreet; Ros, Vanessa; Schuster, Alex; Singh, Minnie; Spector, Benjamin L; Wende, Helen Vander; Wang, Adrienne M; Wasko, Brian M; Olsen, Brady; Kaeberlein, Matt	Exp Gerontol (2013 Oct)	48 / 1006-13	PubMed Cited by 1
Disruption of redox homeostasis in tumor necrosis factor-induced apoptosis in a murine hepatocyte cell line	Pierce, R H; Campbell, J S; Stephenson, A B; Franklin, C C; Chaisson, M; Poot, M; Kavanagh, T J; Rabinovitch, P S; Fausto, N	Am J Pathol (2000 Jul)	157 / 221-36	PubMed Cited by 1
DNA sequence analysis of monoamine oxidase B gene coding and promoter regions in Parkinson's disease	Costa-Mallen, Paola; Afsharinejad, Zahra; Kelada, Samir N; Costa, Lucio G; Franklin, Gary M; Swanson, Phillip D; Longstreth Jr, W T; Viernes, Hannah-Malia A; Farin, Federico M; Smith-Weller, Terri; Checkoway, Harvey	Mov Disord (2004 Jan)	19 / 76-83	PubMed Cited by 1
DNase I hypersensitivity analysis of the mouse brain and retina identifies region-specific regulator genes	Wilken, Matthew S; Brzezinski, Joseph A; La Torre, Anna; Siebenthal, Kyle; Thurman, Robert; Sabo, Peter; Sandstrom, Richard S; Vierstra, Jeff; Canfield, Theresa K; Hansen, R Scott;	Epigenetics Chromatin (2015)	8 / 8	PubMed Cited by 1

Dopamine transporter (SLC6A3) 5' region haplotypes significantly affect transcriptional activity in ...	Bender, Michael A; Stamatoyannopoulos, John; Reh, Thomas A	Kelada, Samir N; Costa-Mallen, Paola; Checkoway, Harvey; Carlson, Christopher S; Weller, Terri-Smith; Swanson, Phillip D; Franklin, Gary M; Longstreth Jr, W T; Afsharinejad, Zahra; Costa, Lucio G	Pharmacogenet Genomics (2005 Sep)	15 / 659-68	PubMed Cita
Dysmorphogenesis elicited by microinjected acetaminophen analogs and metabolites in rat embryos cult ...	Stark, K L; Lee, Q P; Namkung, M J; Harris, C; Juchau, M R	J Pharmacol Exp Ther (1990 Oct)	255 / 74-82	PubMed Cita	
Dysmorphogenic effects of nitric oxide (NO) and NO-synthase inhibition: studies with intra-amniotic ...	Lee, Q P; Juchau, M R	Teratology (1994 Jun)	49 / 452-64	PubMed Cita	
Effect of methylmercury on glutamate-cysteine ligase expression in the placenta and yolk sac during ...	Diaz, Dolores; Krejsa, Cecile M; White, Collin C; Charleston, Jay S; Kavanagh, Terrance J	Reprod Toxicol (2004 Nov)	19 / 117-29	PubMed Cita	
Effect of omega-3 fatty acid oxidation products on the cellular and mitochondrial toxicity of BDE 47 ...	Yeh, Andrew; Kruse, Shane E; Marcinek, David J; Gallagher, Evan P	Toxicol In Vitro (2015 Jun)	29 / 672-80	PubMed Cita	
Effect of phenylalanine and its metabolites on the proliferation and viability of neuronal and astro ...	Oberdoerster, J; Guizzetti, M; Costa, L G	J Pharmacol Exp Ther (2000 Oct)	295 / 295-301	PubMed Cita	
Effects of albendazole and albendazole sulfoxide on cultures of differentiating rodent embryonic cel ...	Whittaker, S G; Faustman, E M	Toxicol Appl Pharmacol (1991 Jun 1)	109 / 73-84	PubMed Cita	
Effects of benzimidazole analogs on cultures of differentiating rodent embryonic cells.	Whittaker, S G; Faustman, E M	Toxicol Appl Pharmacol (1992 Mar)	113 / 144-51	PubMed Cita	
Effects of cadmium on olfactory mediated behaviors and molecular biomarkers in coho salmon (<i>Oncorhyn</i> ...	Williams, Chase R; Gallagher, Evan P	Aquat Toxicol (2013 Sep 15)	140-141 / 295-302	PubMed Cita	
Effects of chemical inducers on human microsomal epoxide hydrolase in primary hepatocyte cultures.	Hassett, C; Laurenzana, E M; Sidhu, J S; Omiecinski, C J	Biochem Pharmacol ()	55 / 1059-69	PubMed Cita	
Effects of ethanol on biotransformation of all-trans-retinol and all-trans-retinal to all-trans-reti ...	Chen, H; Namkung, M J; Juchau, M R	Alcohol Clin Exp Res (1996 Aug)	20 / 942-7	PubMed Cita	
Effects of methyl mercury on the cell cycle of primary rat CNS cells in vitro.	Ponce, R A; Kavanagh, T J; Mottet, N K; Whittaker, S G; Faustman, E M	Toxicol Appl Pharmacol (1994 Jul)	127 / 83-90	PubMed Cita	
Effects of methylmercury on the morphogenesis of the rat cerebellum.	Howard, J D; Mottet, N K	Teratology (1986 Aug)	34 / 89-95	PubMed Cita	

Effects of modulation of hepatic glutathione on biotransformation and covalent binding of aflatoxin ...	Monroe, D H; Eaton, D L	Toxicol Appl Pharmacol (1988 Jun 15)	94 / 118-27	PubMed Cita
Effects of O6-benzylguanine on growth and differentiation of P19 embryonic carcinoma cells treated w ...	Seeley, M R; Faustman, E M	Teratog Carcinog Mutagen (1998)	18 / 111-22	PubMed Cita
Effects of organophosphate exposure on muscarinic acetylcholine receptor subtype mRNA levels in the ...	Yagle, K; Costa, L G	Neurotoxicology (1996)	17 / 523-30	PubMed Cita
Effects of phenobarbital on the biliary excretion of aflatoxin P1-glucuronide and aflatoxin B1-S-glu ...	Holeski, C J; Eaton, D L; Monroe, D H; Bellamy, G M	Xenobiotica (1987 Feb)	17 / 139-53	PubMed Cita
Effects of single-dose and repeated-dose pretreatment with 2(3)-tert-butyl-4-hydroxyanisole (BHA) on ...	Monroe, D H; Holeski, C J; Eaton, D L	Food Chem Toxicol (1986 Dec)	24 / 1273-81	PubMed Cita
Elevated levels of all-trans-retinoic acid in cultured rat embryos 1.5 hr after intraamniotic microi ...	Kraft, J C; Bui, T; Juchau, M R	Biochem Pharmacol (1991 Nov 27)	42 / R21-4	PubMed Cita
Elevated proteasome capacity extends replicative lifespan in <i>Saccharomyces cerevisiae</i> .	Kruegel, Undine; Robison, Brett; Dange, Thomas; Kahlert, Günther; Delaney, Joe R; Kotireddy, Soumya; Tsuchiya, Mitsuhiro; Tsuchiyama, Scott; Murakami, Christopher J; Schleit, Jennifer; Sutphin, George; Carr, Daniel; Tar, Krisztina; Dittmar, Gunnar; Kaeberlein, Matt; Kennedy, Brian K; Schmidt, Marion	PLoS Genet (2011 Sep)	7 / e1002253	PubMed Cita
Embryogenesis in cultured whole rat embryos after combined exposures to 3,3',5-triiodo-L-thyronine (...	Kraft, J C; Willhite, C C; Juchau, M R	J Craniofac Genet Dev Biol (1994 Apr-Jun)	14 / 75-86	PubMed Cita
Embryotoxic action of methyl mercury on coho salmon embryos.	Devlin, E W; Mottet, N K	Bull Environ Contam Toxicol (1992 Sep)	49 / 449-54	PubMed Cita
Emerging and mechanism-based therapies for recurrent or metastatic Merkel cell carcinoma.	Miller, Natalie J; Bhatia, Shailender; Parvathaneni, Upendra; Iyer, Jayasri G; Nghiem, Paul	Curr Treat Options Oncol (2013 Jun)	14 / 249-63	PubMed Cita
End-of-life cell cycle arrest contributes to stochasticity of yeast replicative aging.	Delaney, Joe R; Chou, Annie; Olsen, Brady; Carr, Daniel; Murakami, Christopher; Ahmed, Umema; Sim, Sylvia; An, Elroy H; Castanza, Anthony S; Fletcher, Marissa; Higgins, Sean;	FEMS Yeast Res (2013 May)	13 / 267-76	PubMed Cita

	Holmberg, Mollie; Hui, Jessica; Jelic, Monika; Jeong, Ki-Soo; Kim, Jin R; Klum, Shannon; Liao, Eric; Lin, Michael S; Lo, Winston; Miller, Hillary; Moller, Richard; Peng, Zhao J; Pollard, Tom; Pradeep, Prarthana; Pruett, Dillon; Rai, Dilreet; Ros, Vanessa; Schleit, Jennifer; Schuster, Alex; Singh, Minnie; Spector, Benjamin L; Sutphin, George L; Wang, Adrienne M; Wasko, Brian M; Vander Wende, Helen; Kennedy, Brian K; Kaeberlein, Matt		
Engineered recombinant human paraoxonase 1 (rHuPON1) purified from Escherichia coli protects against ...	Stevens, Richard C; Suzuki, Stephanie M; Cole, Toby B; Park, Sarah S; Richter, Rebecca J; Furlong, Clement E	Proc Natl Acad Sci U S A (2008 Sep 2)	105 / 12780-4 PubMed Cita
Engineering human DNA alkyltransferases for gene therapy using random sequence mutagenesis.	Encell, L P; Coates, M M; Loeb, L A	Cancer Res (1998 Mar 1)	58 / 1013-20 PubMed Cita
Enhanced in vivo repair of O(4)-methylthymine by a mutant human DNA alkyltransferase.	Encell, L P; Loeb, L A	Carcinogenesis (2000 Jul)	21 / 1397-402 PubMed Cita
Enhancement of hepatic 4-hydroxylation of 25-hydroxyvitamin D3 through CYP3A4 induction in vitro and ...	Wang, Zhican; Lin, Yvonne S; Dickmann, Leslie J; Poulton, Emma-Jane; Eaton, David L; Lampe, Johanna W; Shen, Danny D; Davis, Connie L; Shuhart, Margaret C; Thummel, Kenneth E	J Bone Miner Res (2013 May)	28 / 1101-16 PubMed Cita
Epidermal growth factor receptor transactivation mediates tumor necrosis factor-induced hepatocyte r ...	Argast, Gretchen M; Campbell, Jean S; Brooling, John T; Fausto, Nelson	J Biol Chem (2004 Aug 13)	279 / 34530-6 PubMed Cita
Ethanol inhibits muscarinic receptor-induced axonal growth in rat hippocampal neurons.	VanDemark, Kathryn L; Guizzetti, Marina; Giordano, Gennaro; Costa, Lucio G	Alcohol Clin Exp Res (2009 Nov)	33 / 1945-55 PubMed Cita

Ethanol inhibits neuritogenesis induced by astrocyte muscarinic receptors.	Guizzetti, Marina; Moore, Nadia H; Giordano, Gennaro; VanDeMark, Kathryn L; Costa, Lucio G	Glia (2010 Sep)	58 / 1395-406	PubMed Cita
Evaluation of P19 cells for studying mechanisms of developmental toxicity: application to four direc ...	Seeley, M R; Faustman, E M	Toxicology (1998 May 15)	127 / 49-58	PubMed Cita
Evidence for a peripheral olfactory memory in imprinted salmon.	Nevitt, G A; Dittman, A H; Quinn, T P; Moody Jr, W J	Proc Natl Acad Sci U S A (1994 May 10)	91 / 4288-92	PubMed Cita
Expression of CYP2E1 during embryogenesis and fetogenesis in human cephalic tissues: implications fo ...	Boutelet-Bochan, H; Huang, Y; Juchau, M R	Biochem Biophys Res Commun (1997 Sep 18)	238 / 443-7	PubMed Cita
Expression of glutamate-cysteine ligase during mouse development.	Diaz, Dolores; Krejsa, Cecile M; Kavanagh, Terrance J	Mol Reprod Dev (2002 May)	62 / 83-91	PubMed Cita
Expression of human microsomal epoxide hydrolase in <i>Saccharomyces cerevisiae</i> reveals a functional ro ...	Kelly, Edward J; Erickson, Kristin E; Sengstag, Christian; Eaton, David L	Toxicol Sci (2002 Jan)	65 / 35-42	PubMed Cita
Expression of suppressors of cytokine signaling during liver regeneration.	Campbell, J S; Prichard, L; Schaper, F; Schmitz, J; Stephenson-Famy, A; Rosenfeld, M E; Argast, G M; Heinrich, P C; Fausto, N	J Clin Invest (2001 May)	107 / 1285-92	PubMed Cita
Fluorescence-based microtiter plate assay for glutamate-cysteine ligase activity.	White, Collin C; Viernes, Hannah; Krejsa, Cecile M; Botta, Dianne; Kavanagh, Terrance J	Anal Biochem (2003 Jul 15)	318 / 175-80	PubMed Cita
Fluorescent assessment of intracellular calcium in individual cells.	Cox, David P; White, Collin C; Kavanagh, Terrance J	Methods Mol Biol (2011)	758 / 239-51	PubMed Cita
Gain and loss of function for glutathione synthesis: impact on advanced atherosclerosis in apolipopr ...	Callegari, Andrea; Liu, Yuhua; White, Collin C; Chait, Alan; Gough, Peter; Raines, Elaine W; Cox, David; Kavanagh, Terrance J; Rosenfeld, Michael E	Arterioscler Thromb Vasc Biol (2011 Nov)	31 / 2473-82	PubMed Cita
Gender difference in the interaction of smoking and monoamine oxidase B intron 13 genotype in Parkin ...	Kelada, Samir N; Costa-Mallen, Paola; Costa, Lucio G; Smith-Weller, Terry; Franklin, Gary M; Swanson, Phillip D; Longstreth Jr, W T; Checkoway, Harvey	Neurotoxicology (2002 Oct)	23 / 515-9	PubMed Cita

Gene expression profiles in zebrafish brain after acute exposure to domoic acid at symptomatic and a ...	Lefebvre, Kathi A; Tilton, Susan C; Bammler, Theo K; Beyer, Richard P; Srinouanprachan, Sengkeo; Stapleton, Patricia L; Farin, Federico M; Gallagher, Evan P	Toxicol Sci (2009 Jan) 107 / 65-77	PubMed Cita
Gene expression profiling analysis reveals arsenic-induced cell cycle arrest and apoptosis in p53-pr ...	Yu, Xiaozhong; Robinson, Joshua F; Gribble, Elizabeth; Hong, Sung Woo; Sidhu, Jaspreet S; Faustman, Elaine M	Toxicol Appl Pharmacol (2008 Dec 15) 233 / 389-403	PubMed Cita
Genetic analysis of the Chlamydomonas reinhardtii I-CreI mobile intron homing system in Escherichia ...	Seligman, L M; Stephens, K M; Savage, J H; Monnat Jr, R J	Genetics (1997 Dec) 147 / 1653-64	PubMed Cita
Genetic association of long-chain acyl-CoA synthetase 1 variants with fasting glucose, diabetes, and ...	Manichaikul, Ani; Wang, Xin-Qun; Zhao, Wei; Wojczynski, Mary K; Siebenthal, Kyle; Stamatoyannopoulos, John A; Saleheen, Danish; Borecki, Ingrid B; Reilly, Muredach P; Rich, Stephen S; Bornfeldt, Karin E	J Lipid Res (2016 Mar) 57 / 433-42	PubMed Cita
Genetic background modifies intestinal pseudo-obstruction and the expression of a reporter gene in H ...	Parisi, Melissa A; Baldessari, Audrey E; Iida, Malissa H K; Clarke, Christine M; Doggett, Barbara; Shirasawa, Senji; Kapur, Raj P	Gastroenterology (2003 Nov) 125 / 1428-40	PubMed Cita
Genomic duplication and overexpression of TJP2/ZO-2 leads to altered expression of apoptosis genes i ...	Walsh, Tom; Pierce, Sarah B; Lenz, Danielle R; Brownstein, Zippora; Dagan-Rosenfeld, Orit; Shahin, Hashem; Roeb, Wendy; McCarthy, Shane; Nord, Alex S; Gordon, Carlos R; Ben-Neriah, Ziva; Sebat, Jonathan; Kanaan, Moien; Lee, Ming K; Frydman, Moshe; King, Mary-Claire; Avraham, Karen B	Am J Hum Genet (2010 Jul 9) 87 / 101-9	PubMed Cita
Glucocorticoid regulation of metallothionein during murine development.	Quaife, C; Hammer, R E; Mottet, N K; Palmiter, R D	Dev Biol (1986 Dec) 118 / 549-55	PubMed Cita

Glutamate cysteine ligase (GCL) transgenic and gene-targeted mice for controlling glutathione synthesis ...	Mohar, Isaac; Botta, Dianne; White, Collin C; McConnachie, Lisa A; Kavanagh, Terrance J	Curr Protoc Toxicol (2009 Feb)	Chapter 6 / Unit6.16	PubMed Cita
Glutamate Cysteine Ligase Modifier Subunit (Gclm) Null Mice Have Increased Ovarian Oxidative Stress ...	Lim, Jinwan; Nakamura, Brooke N; Mohar, Isaac; Kavanagh, Terrance J; Luderer, Ulrike	Endocrinology (2015 Sep)	156 / 3329-43	PubMed Cita
Glutamate cysteine ligase modifier subunit deficiency and gender as determinants of acetaminophen-induced hepatotoxicity ...	McConnachie, Lisa A; Mohar, Isaac; Hudson, Francesca N; Ware, Carol B; Ladiges, Warren C; Fernandez, Carolina; Chatterton-Kirchmeier, Sam; White, Collin C; Pierce, Robert H; Kavanagh, Terrance J	Toxicol Sci (2007 Oct)	99 / 628-36	PubMed Cita
Glutamate, excitotoxicity, and programmed cell death in Parkinson disease.	Caudle, W Michael; Zhang, Jing	Exp Neurol (2009 Dec)	220 / 230-3	PubMed Cita
Glutamate-cysteine ligase attenuates TNF-induced mitochondrial injury and apoptosis.	Botta, Dianne; Franklin, Christopher C; White, Collin C; Krejsa, Cecile M; Dabrowski, Michael J; Pierce, Robert H; Fausto, Nelson; Kavanagh, Terrance J	Free Radic Biol Med (2004 Sep 1)	37 / 632-42	PubMed Cita
Glutathione (GSH) and the GSH synthesis gene Gclm modulate plasma redox and vascular responses to acetylpromazine ...	Weldy, Chad S; Luttrell, Ian P; White, Collin C; Morgan-Stevenson, Vicki; Cox, David P; Carosino, Christopher M; Larson, Timothy V; Stewart, James A; Kaufman, Joel D; Kim, Francis; Chitaley, Kanchan; Kavanagh, Terrance J	Inhal Toxicol (2013 Jul)	25 / 444-54	PubMed Cita
Glutathione (GSH) and the GSH synthesis gene Gclm modulate vascular reactivity in mice.	Weldy, Chad S; Luttrell, Ian P; White, Collin C; Morgan-Stevenson, Vicki; Bammler, Theo K; Beyer, Richard P; Afsharinejad, Zahra; Kim, Francis; Chitaley, Kanchan; Kavanagh, Terrance J	Free Radic Biol Med (2012 Sep 15)	53 / 1264-78	PubMed Cita

Glutathione S-transferase M1, T1, and P1 polymorphisms and Parkinson's disease.	Kelada, Samir N; Stapleton, Patricia L; Farin, Federico M; Bammler, Theo K; Eaton, David L; Smith-Weller, Terri; Franklin, Gary M; Swanson, Phillip D; Longstreth Jr, W T; Checkoway, Harvey	Neurosci Lett (2003 Jan 30)	337 / 5-8	PubMed Cita
Glutathione S-transferases act as isomerases in isomerization of 13-cis-retinoic acid to all-trans-r ...	Chen, H; Juchau, M R	Biochem J (1997 Nov 1)	327 (Pt 3) / 721-6	PubMed Cita
H3K36 methylation promotes longevity by enhancing transcriptional fidelity.	Sen, Payel; Dang, Weiwei; Donahue, Greg; Dai, Junbiao; Dorsey, Jean; Cao, Xiaohua; Liu, Wei; Cao, Kajia; Perry, Rocco; Lee, Jun Yeop; Wasko, Brian M; Carr, Daniel T; He, Chong; Robison, Brett; Wagner, John; Gregory, Brian D; Kaeberlein, Matt; Kennedy, Brian K; Boeke, Jef D; Berger, Shelley L	Genes Dev (2015 Jul 1)	29 / 1362-76	PubMed Cita
Health risks from increases in methylmercury exposure.	Mottet, N K; Shaw, C M; Burbacher, T M	Environ Health Perspect (1985 Nov)	63 / 133-40	PubMed Cita
Heme oxygenase expression as a biomarker of exposure to amphiphilic polymer-coated CdSe/ZnS quantum ...	McConnachie, Lisa A; White, Collin C; Botta, Dianne; Zadworny, Megan E; Cox, David P; Beyer, Richard P; Hu, Xiaoge; Eaton, David L; Gao, Xiaohu; Kavanagh, Terrance J	Nanotoxicology (2013 Mar)	7 / 181-91	PubMed Cita
Hepatic expression profiling in smolting and adult coho salmon (<i>Onchorhynchus kisutch</i>).	Gallagher, Evan P; LaVire, Helene M; Bammler, Theo K; Stapleton, Patricia L; Beyer, Richard P; Farin, Federico M	Environ Res (2008 Mar)	106 / 365-78	PubMed Cita
Heterozygosity in the glutathione synthesis gene <i>Gclm</i> increases sensitivity to diesel exhaust partic ...	Weldy, Chad S; White, Collin C; Wilkerson, Hui-Wen; Larson, Timothy V; Stewart, James A; Gill, Sean E; Parks, William C; Kavanagh, Terrance J	Inhal Toxicol (2011 Oct)	23 / 724-35	PubMed Cita

Homocysteine stimulates antioxidant response element-mediated expression of glutamate-cysteine ligase ...	Bea, Florian; Hudson, Francesca N; Neff-Laford, Haley; White, Collin C; Kavanagh, Terrance J; Kreuzer, Jorg; Preusch, Michael R; Blessing, Erwin; Katus, Hugo A; Rosenfeld, Michael E	Atherosclerosis (2009 Mar)	203 / 105-11	PubMed Cita
Hox11L1 expression by precursors of enteric smooth muscle: an alternative explanation for megacecum ...	Kapur, Raj P; Clarke, Christine M; Doggett, Barbara; Taylor, Brian E; Baldessari, Audrey; Parisi, Melissa A; Howe, Douglas G	Pediatr Dev Pathol (2005 Mar-Apr)	8 / 148-61	PubMed Cita
HPLC-based assays for enzymes of glutathione biosynthesis.	White, C C; Krejsa, C J; Eaton, D L; Kavanagh, T J	Curr Protoc Toxicol (2001)	Chapter 6 / Unit6.5	PubMed Cita
Human nasal epithelium: characterization and effects of in vitro exposure to sulfur dioxide.	McManus, M S; Altman, L C; Koenig, J Q; Luchtel, D L; Covert, D S; Virant, F S; Baker, C	Exp Lung Res (1989 Dec)	15 / 849-65	PubMed Cita
Human O(6)-alkylguanine-DNA alkyltransferase: protection against alkylating agents and sensitization ...	Abril, N; Luque-Romero, F L; Christians, F C; Encell, L P; Loeb, L A; Pueyo, C	Carcinogenesis (1999 Nov)	20 / 2089-94	PubMed Cita
Human valacyclovir hydrolase/biphenyl hydrolase-like protein is a highly efficient homocysteine thio ...	Marsillac, Judit; Suzuki, Stephanie M; Richter, Rebecca J; McDonald, Matthew G; Rademacher, Peter M; MacCoss, Michael J; Hsieh, Edward J; Rettie, Allan E; Furlong, Clement E	PLoS One (2014)	9 / e110054	PubMed Cita
I-PpoI and I-CreI homing site sequence degeneracy determined by random mutagenesis and sequential in ...	Argast, G M; Stephens, K M; Emond, M J; Monnat Jr, R J	J Mol Biol (1998 Jul 17)	280 / 345-53	PubMed Cita
Identification of a novel dihydroxy metabolite of aflatoxin B1 produced in vitro and in vivo in rats ...	Eaton, D L; Monroe, D H; Bellamy, G; Kalman, D A	Chem Res Toxicol (1988 Mar-Apr)	1 / 108-14	PubMed Cita
Identification of amino acid residues essential for high aflatoxin B1-8,9-epoxide conjugation activi ...	Van Ness, K P; McHugh, T E; Bammler, T K; Eaton, D L	Toxicol Appl Pharmacol (1998 Sep)	152 / 166-74	PubMed Cita
Identifying safer anti-wear triaryl phosphate additives for jet engine lubricants.	Baker, Paul E; Cole, Toby B; Cartwright, Megan; Suzuki, Stephanie M; Thummel, Kenneth E; Lin, Yvonne S; Co, Aila L; Rettie, Allan E; Kim,	Chem Biol Interact (2013 Mar 25)	203 / 257-64	PubMed Cita

	Jerry H; Furlong, Clement E			
Impact of oxidative stress on signal transduction control by phosphotyrosine phosphatases.	Krejsa, C M; Schieven, G L	Environ Health Perspect (1998 Oct)	106 Suppl 5 / 1179-84	PubMed Cita
Improving enzymes for cancer gene therapy.	Encell, L P; Landis, D M; Loeb, L A	Nat Biotechnol (1999 Feb)	17 / 143-7	PubMed Cita
In vitro biotransformation of aflatoxin B1 (AFB1) in channel catfish liver.	Gallagher, E P; Eaton, D L	Toxicol Appl Pharmacol (1995 May)	132 / 82-90	PubMed Cita
In vitro hepatic metabolism of 2,2',4,4',5-pentabromodiphenyl ether (BDE 99) in Chinook salmon (Oncorhynchus tshawytscha).	Browne, Eva P; Stapleton, Heather M; Kelly, Shannon M; Tilton, Susan C; Gallagher, Evan P	Aquat Toxicol (2009 May 17)	92 / 281-7	PubMed Cita
In vitro production and screening of DNA polymerase eta mutants for catalytic diversity.	Glick, Eitan; Anderson, Jon P; Loeb, Lawrence A	Biotechniques (2002 Nov)	33 / 1136-42, 1144	PubMed Cita
In vitro toxicity assessment of amphiphilic polymer-coated CdSe/ZnS quantum dots in two human liver cell lines.	Smith, Wesley E; Brownell, Jessica; White, Collin C; Afsharinejad, Zahra; Tsai, Jesse; Hu, Xiaoge; Polyak, Stephen J; Gao, Xiaohu; Kavanagh, Terrance J; Eaton, David L	ACS Nano (2012 Nov 27)	6 / 9475-84	PubMed Cita
Incorporation of reporter-labeled nucleotides by DNA polymerases.	Anderson, Jon P; Angerer, Bernhard; Loeb, Lawrence A	Biotechniques (2005 Feb)	38 / 257-64	PubMed Cita
Increased sensitivity to testicular toxicity of transplacental benzo[a]pyrene exposure in male glutathione S-transferase P1 ...	Nakamura, Brooke N; Mohar, Isaac; Lawson, Gregory W; Cortés, Mabel M; Hoang, Yvonne D; Ortiz, Laura; Patel, Reshma; Rau, Bogdan A; McConnachie, Lisa A; Kavanagh, Terrance J; Luderer, Ulrike	Toxicol Sci (2012 Mar)	126 / 227-41	PubMed Cita
Increases in the number of reactive glia in the visual cortex of Macaca fascicularis following subclonal ...	Charleston, J S; Bolender, R P; Mottet, N K; Body, R L; Vahter, M E; Burbacher, T M	Toxicol Appl Pharmacol (1994 Dec)	129 / 196-206	PubMed Cita
Induction of glutamate-cysteine ligase (gamma-glutamylcysteine synthetase) in the brains of adult female rhesus monkeys by 2-aminopurine.	Thompson, S A; White, C C; Krejsa, C M; Diaz, D; Woods, J S; Eaton, D L; Kavanagh, T J	Toxicol Lett (1999 Oct 29)	110 / 1-9	PubMed Cita
Induction of partial mitosis in BHK cells by 2-aminopurine.	Andreassen, P R; Margolis, R L	J Cell Sci (1991 Oct)	100 (Pt 2) / 299-310	PubMed Cita

Inhibition of embryonic retinoic acid synthesis by aldehydes of lipid peroxidation and prevention of ...	Chen, H; Juchau, M R	Free Radic Biol Med (1998 Feb)	24 / 408-17	PubMed Cita
Inhibition of human prenatal biosynthesis of all-trans-retinoic acid by ethanol, ethanol metabolites ...	Khalighi, M; Brzezinski, M R; Chen, H; Juchau, M R	Biochem Pharmacol (1999 Apr 1)	57 / 811-21	PubMed Cita
Inhibition of RIP2/RICK/CARDIAK activity by pyridinyl imidazole inhibitors of p38 MAPK.	Argast, Gretchen M; Fausto, Nelson; Campbell, Jean S	Mol Cell Biochem (2005 Jan)	268 / 129-40	PubMed Cita
Inhibition of v-fms-induced tumor growth in nude mice by castanospermine.	Ostrander, G K; Scribner, N K; Rohrschneider, L R	Cancer Res (1988 Mar 1)	48 / 1091-4	PubMed Cita
Integrating genetic and toxicogenomic information for determining underlying susceptibility to devel ...	Robinson, Joshua F; Port, Jesse A; Yu, Xiaozhong; Faustman, Elaine M	Birth Defects Res A Clin Mol Teratol (2010 Oct)	88 / 920-30	PubMed Cita
Integrative analysis of 111 reference human epigenomes.	Roadmap Epigenomics Consortium; Kundaje, Anshul; Meuleman, Wouter; Ernst, Jason; Bilenky, Misha; Yen, Angela; Heravi-Moussavi, Alireza; Kheradpour, Pouya; Zhang, Zhizhuo; Wang, Jianrong; Ziller, Michael J; Amin, Viren; Whitaker, John W; Schultz, Matthew D; Ward, Lucas D; Sarkar, Abhishek; Quon, Gerald; Sandstrom, Richard S; Eaton, Matthew L; Wu, Yi-Chieh; Pfenning, Andreas R; Wang, Xincheng; Claussnitzer, Melina; Liu, Yaping; Coarfa, Cristian; Harris, R Alan; Shores, Noam; Epstein, Charles B; Gjoneska, Elizabeth; Leung, Danny; Xie, Wei; Hawkins, R David; Lister, Ryan; Hong, Chibo; Gascard, Philippe; Mungall, Andrew J; Moore, Richard; Chuah, Eric; Tam, Angela; Canfield, Theresa K; Hansen, R Scott; Kaul, Rajinder; Sabo, Peter J; Bansal, Mukul S; Carles,	Nature (2015 Feb 19)	518 / 317-30	PubMed Cita

Interactive dysmorphic effects of all-trans-retinol and ethanol on cultured whole rat embryos du ...

Annaick; Dixon, Jesse R; Farh, Kai-How; Feizi, Soheil; Karlic, Rosa; Kim, Ah-Ram; Kulkarni, Ashwinikumar; Li, Daofeng; Lowdon, Rebecca; Elliott, GiNell; Mercer, Tim R; Neph, Shane J; Onuchic, Vitor; Polak, Paz; Rajagopal, Nisha; Ray, Pradipta; Sallari, Richard C; Siebenthal, Kyle T; Sinnott-Armstrong, Nicholas A; Stevens, Michael; Thurman, Robert E; Wu, Jie; Zhang, Bo; Zhou, Xin; Beaudet, Arthur E; Boyer, Laurie A; De Jager, Philip L; Farnham, Peggy J; Fisher, Susan J; Haussler, David; Jones, Steven J M; Li, Wei; Marra, Marco A; McManus, Michael T; Sunyaev, Shamil; Thomson, James A; Tlsty, Thea D; Tsai, Li-Huei; Wang, Wei; Waterland, Robert A; Zhang, Michael Q; Chadwick, Lisa H; Bernstein, Bradley E; Costello, Joseph F; Ecker, Joseph R; Hirst, Martin; Meissner, Alexander; Milosavljevic, Aleksandar; Ren, Bing; Stamatoyannopoulos, John A; Wang, Ting; Kellis, Manolis Chen, H; Yang, H Y; Namkung, M J; Juchau, M R

Teratology (1996 54 / 12-9
Jul)

PubMed Cita

Investigations of methylmercury-induced alterations in neurogenesis.	Faustman, Elaine M; Ponce, Rafael A; Ou, Ying C; Mendoza, Ma Aileen C; Lewandowski, Thomas; Kavanagh, Terrance	Environ Health Perspect (2002 Oct)	110 Suppl 5 / PubMed Cita 859-64
Isolation and characterization of rat cytochrome P-450IIB gene family members. Use of the polymerase ...	Giachelli, C M; Lin-Jones, J; Omiecinski, C J	J Biol Chem ()	264 / PubMed Cita 7046-53
Isolation and characterization of the major glycosphingolipids from the liver of the rainbow trout (...	Ostrander, G K; Bozlee, M; Fukuda, M; Dell, A; Thomas-Oates, J E; Levery, S B; Eaton, H L; Hakomori, S; Holmes, E H	Arch Biochem Biophys (1991 Feb 1)	284 / 413-21 PubMed Cita
JNK3 mediates paraquat- and rotenone-induced dopaminergic neuron death.	Choi, Won-Seok; Abel, Glen; Klintworth, Heather; Flavell, Richard A; Xia, Zhengui	J Neuropathol Exp Neurol (2010 May)	69 / 511-20 PubMed Cita
JNK3-mediated apoptotic cell death in primary dopaminergic neurons.	Choi, Won-Seok; Klintworth, Heather M; Xia, Zhengui	Methods Mol Biol (2011)	758 / 279-92 PubMed Cita
Kinetics of methyl mercury in blood and brain during chronic exposure in the monkey Macaca fascicula ...	Stinson, C H; Shen, D M; Burbacher, T M; Mohamed, M K; Mottet, N K	Pharmacol Toxicol (1989 Sep)	65 / 223-30 PubMed Cita
Lack of modulation by phenobarbital of cyclic AMP levels or protein kinase A activity in rat primary ...	Beck, N B; Omiecinski, C J	Biochem Pharmacol ()	58 / 1109-14 PubMed Cita
Lipid mediator production by post-implantation rat embryos in vitro.	Geissler, F T; Kuzan, F B; Faustman, E M; Henderson Jr, W R	Prostaglandins (1989 Aug)	38 / 145-55 PubMed Cita
Localization by in situ hybridization of gamma-glutamylcysteine synthetase mRNA expression in rat ki ...	Li, S; Thompson, S A; Kavanagh, T J; Woods, J S	Toxicol Appl Pharmacol (1996 Nov)	141 / 59-67 PubMed Cita
Localization of gamma-glutamylcysteine synthetase mRNA expression in mouse brain following methylmer ...	Li, S; Thompson, S A; Woods, J S	Toxicol Appl Pharmacol (1996 Sep)	140 / 180-7 PubMed Cita
Localization of glutamate-cysteine ligase mRNA and protein in mouse kidney and induction with methyl ...	Diaz, D; Krejsa, C M; Kavanagh, T J	Toxicol Lett (2001 Aug 6)	123 / 33-41 PubMed Cita
Manganese inhibits the ability of astrocytes to promote neuronal differentiation.	Giordano, Gennaro; Pizzurro, Daniella; VanDeMark, Kathryn; Guizzetti, Marina; Costa, Lucio G	Toxicol Appl Pharmacol (2009 Oct 15)	240 / 226-35 PubMed Cita
Measurements of astrocyte proliferation.	Guizzetti, Marina; Kavanagh, Terrance J; Costa, Lucio G	Methods Mol Biol (2011)	758 / 349-59 PubMed Cita
Mechanisms of glucagon-induced increases in rates of cytochrome P450-dependent pentoxyphenoxazone O- ...	Lee, Q P; Juchau, M R	Reprod Toxicol (1992)	6 / 525-31 PubMed Cita

Mercuric ion attenuates nuclear factor-kappaB activation and DNA binding in normal rat kidney epithelial cells.	Dieguez-Acuña, F J; Ellis, M E; Kushleika, J; Woods, J S	Toxicol Appl Pharmacol (2001 Jun 15)	173 / 176-87	PubMed Cita
Mercury-induced H ₂ O ₂ production and lipid peroxidation in vitro in rat kidney mitochondria.	Lund, B O; Miller, D M; Woods, J S	Biochem Pharmacol (1991 Dec 11)	42 Suppl / S181-7	PubMed Cita
Merkel Cell Carcinoma: An Unusually Immunogenic Cancer Proves Ripe for Immune Therapy.	Vandeven, Natalie A; Nghiem, Paul	J Oncol Pract (2016 Jul)	12 / 649-50	PubMed Cita
Merkel polyomavirus-specific T cells fluctuate with merkel cell carcinoma burden and express therapeutic markers.	Afanasiev, Olga K; Yelistratova, Lola; Miller, Natalie; Nagase, Kotaro; Paulson, Kelly; Iyer, Jayasri G; Ibrani, Dafina; Koelle, David M; Nghiem, Paul	Clin Cancer Res (2013 Oct 1)	19 / 5351-60	PubMed Cita
Methylmercury developmental neurotoxicity: a comparison of effects in humans and animals.	Burbacher, T M; Rodier, P M; Weiss, B	Neurotoxicol Teratol (1990 May-Jun)	12 / 191-202	PubMed Cita
Methylmercury effects on cell cycle kinetics.	Vogel, D G; Rabinovitch, P S; Mottet, N K	Cell Tissue Kinet (1986 Mar)	19 / 227-42	PubMed Cita
Methylmercury effects on reproduction and offspring size at birth.	Burbacher, T M; Mohamed, M K; Mottet, N K	Reprod Toxicol (1987-1988)	1 / 267-78	PubMed Cita
Methylmercury exposure and reproductive dysfunction in the nonhuman primate.	Burbacher, T M; Monnett, C; Grant, K S; Mottet, N K	Toxicol Appl Pharmacol (1984 Aug)	75 / 18-24	PubMed Cita
Microinjection of cultured rat embryos: studies with retinol, 13-cis- and all-trans-retinoic acid.	Lee, Q P; Juchau, M R; Kraft, J C	Teratology (1991 Sep)	44 / 313-23	PubMed Cita
Microinjections of cultured rat conceptuses: studies with 4-oxo-all-trans-retinoic acid, 4-oxo-13-cis ...	Kraft, J C; Bechter, R; Lee, Q P; Juchau, M R	Teratology (1992 Mar)	45 / 259-70	PubMed Cita
Mitochondrial therapeutics in Alzheimer's disease and Parkinson's disease.	Hoekstra, Jake G; Montine, Kathleen S; Zhang, Jing; Montine, Thomas J	Alzheimers Res Ther (2011)	3 / 21	PubMed Cita
Modification of aflatoxin B1 biotransformation in vitro and DNA binding in vivo by dietary broccoli ...	Ramsdell, H S; Eaton, D L	J Toxicol Environ Health (1988)	25 / 269-84	PubMed Cita
Modulating GSH synthesis using glutamate cysteine ligase transgenic and gene-targeted mice.	Botta, Dianne; White, Collin C; Vliet-Gregg, Portia; Mohar, Isaac; Shi, Shengli; McGrath, Monica B; McConnachie, Lisa A; Kavanagh, Terrance J	Drug Metab Rev (2008)	40 / 465-77	PubMed Cita
Modulation of glutathione and glutamate-L-cysteine ligase by methylmercury during mouse development.	Thompson, S A; White, C C; Krejsa, C M; Eaton, D L; Kavanagh, T J	Toxicol Sci (2000 Sep)	57 / 141-6	PubMed Cita

Modulation of microglial innate immunity in Alzheimer's disease by activation of peroxisome prolifer ...	Shie, Feng-Shiun; Nivison, Mary; Hsu, Pei-Chien; Montine, Thomas J	Curr Med Chem (2009)	16 / 643-51	PubMed Cita
Modulation of monooxygenase activities by hematin and 7,8-benzoflavone in fetal tissues of rats, rab ...	Omiecinski, C J; Chao, S T; Juchau, M R	Dev Pharmacol Ther (1980)	1 / 90-100	PubMed Cita
Modulation of neuritogenesis by astrocyte muscarinic receptors.	Guizzetti, Marina; Moore, Nadia H; Giordano, Gennaro; Costa, Lucio G	J Biol Chem (2008 Nov 14)	283 / 31884-97	PubMed Cita
Modulation of nitrosourea toxicity in rodent embryonic cells by O6-benzylguanine, a depletor of O6-m ...	Kidney, J K; Faustman, E M	Toxicol Appl Pharmacol (1995 Jul)	133 / 1-11	PubMed Cita
Molecular mechanisms underlying genotype-dependent responses to dietary restriction.	Schleit, Jennifer; Johnson, Simon C; Bennett, Christopher F; Simko, Marissa; Trongham, Natalie; Castanza, Anthony; Hsieh, Edward J; Moller, Richard M; Wasko, Brian M; Delaney, Joe R; Sutphin, George L; Carr, Daniel; Murakami, Christopher J; Tocchi, Autumn; Xian, Bo; Chen, Weiyang; Yu, Tao; Goswami, Sarani; Higgins, Sean; Holmberg, Mollie; Jeong, Ki-Soo; Kim, Jin R; Klum, Shannon; Liao, Eric; Lin, Michael S; Lo, Winston; Miller, Hillary; Olsen, Brady; Peng, Zhao J; Pollard, Tom; Pradeep, Prarthana; Pruett, Dillon; Rai, Dilreet; Ros, Vanessa; Singh, Minnie; Spector, Benjamin L; Vander Wende, Helen; An, Elroy H; Fletcher, Marissa; Jelic, Monika; Rabinovitch, Peter S; MacCoss, Michael J; Han, Jing-Dong J; Kennedy, Brian K; Kaeberlein, Matt	Aging Cell (2013 Dec)	12 / 1050-61	PubMed Cita

Mortalin is Expressed by Astrocytes and Decreased in the Midbrain of Parkinson's Disease Patients.	Cook, Travis J; Hoekstra, Jake G; Eaton, David L; Zhang, Jing	Brain Pathol (2016 Jan)	26 / 75-81	PubMed Cita
Mouse liver glutathione S-transferase isoenzyme activity toward aflatoxin B1-8,9-epoxide and benzo[a ...	Ramsdell, H S; Eaton, D L	Toxicol Appl Pharmacol (1990 Sep 1)	105 / 216-25	PubMed Cita
mTOR inhibition alleviates mitochondrial disease in a mouse model of Leigh syndrome.	Johnson, Simon C; Yanos, Melana E; Kayser, Ernst-Bernhard; Quintana, Albert; Sangesland, Maya; Castanza, Anthony; Uhde, Lauren; Hui, Jessica; Wall, Valerie Z; Gagnidze, Arni; Oh, Kelly; Wasko, Brian M; Ramos, Fresnida J; Palmiter, Richard D; Rabinovitch, Peter S; Morgan, Philip G; Sedensky, Margaret M; Kaeberlein, Matt	Science (2013 Dec 20)	342 / 1524-8	PubMed Cita
Multicenter study of acetaminophen hepatotoxicity reveals the importance of biological endpoints in ...	Beyer, Richard P; Fry, Rebecca C; Lasarev, Michael R; McConnachie, Lisa A; Meira, Lisiane B; Palmer, Valerie S; Powell, Christine L; Ross, Pamela K; Bammler, Theo K; Bradford, Blair U; Cranson, Alex B; Cunningham, Michael L; Fannin, Rickie D; Higgins, Gregory M; Hurban, Patrick; Kayton, Robert J; Kerr, Kathleen F; Kosyk, Oksana; Lobenhofer, Edward K; Sieber, Stella O; Vliet, Portia A; Weis, Brenda K; Wolfinger, Russel; Woods, Courtney G; Freedman, Jonathan H; Linney, Elwood; Kaufmann, William K; Kavanagh, Terrance J; Paules, Richard S; Rusyn, Ivan; Samson, Leona D; Spencer, Peter S; Suk, William;	Toxicol Sci (2007 Sep)	99 / 326-37	PubMed Cita

Multiplex immunoassays of peptide hormones extracted from formalin-fixed, paraffin-embedded tissue a ...	Tennant, Raymond J; Zarbl, Helmut; Members of the Toxicogenomics Research Consortium	Strathmann, Frederick G; Borlee, Grace; Born, Donald E; Gonzalez-Cuyar, Luis F; Huber, Bertrand R; Baird, Geoffrey S	Clin Chem (2012 Feb) 58 / 366-74	PubMed Cita
Muscarinic receptor-activated signal transduction pathways involved in the neuritogenic effect of as ...	Guizzetti, Marina; Moore, Nadia H; VanDeMark, Kathryn L; Giordano, Gennaro; Costa, Lucio G		Eur J Pharmacol (2011 Jun 1) 659 / 102-7	PubMed Cita
Mutations in 12 genes for inherited ovarian, fallopian tube, and peritoneal carcinoma identified by ...	Walsh, Tom; Casadei, Silvia; Lee, Ming K; Pennil, Christopher C; Nord, Alex S; Thornton, Anne M; Roeb, Wendy; Agnew, Kathy J; Stray, Sunday M; Wickramanayake, Anneka; Norquist, Barbara; Pennington, Kathryn P; Garcia, Rochelle L; King, Mary-Claire; Swisher, Elizabeth M		Proc Natl Acad Sci U S A (2011 Nov 1) 108 / 18032-7	PubMed Cita
Neovascular responses induced by cultured aortic endothelial cells.	Harris-Hooker, S A; Gajdusek, C M; Wight, T N; Schwartz, S M		J Cell Physiol (1983 Mar) 114 / 302-10	PubMed Cita
Neural tube defects and brain anomalies: a review of selected teratogens and their possible modes of ...	Monissey, R E; Mottet, N K		Neurotoxicology (1981 Jan) 2 / 125-62	PubMed Cita
Neurotoxicity of domoic Acid in cerebellar granule neurons in a genetic model of glutathione deficie ...	Giordano, G; White, C C; McConnachie, L A; Fernandez, C; Kavanagh, T J; Costa, L G		Mol Pharmacol (2006 Dec) 70 / 2116-26	PubMed Cita
Neurotoxicity of traffic-related air pollution.	Costa, Lucio G; Cole, Toby B; Coburn, Jacki; Chang, Yu-Chi; Dao, Khoi; Roqué, Pamela J		Neurotoxicology / (2015 Nov 21)	PubMed Cita
Nonmotor symptoms of Parkinson's disease revealed in an animal model with reduced monoamine storage ...	Taylor, Tonya N; Caudle, W Michael; Shepherd, Kennie R; Noorian, AliReza; Jackson, Chad R; Iuvone, P Michael; Weinshenker, David; Greene, James G;		J Neurosci (2009 Jun 24) 29 / 8103-13	PubMed Cita

Nonsteroidal anti-inflammatory drugs are associated with increased neuritic plaques.	Miller, Gary W Sonnen, J A; Larson, E B; Walker, R L; Haneuse, S; Crane, P K; Gray, S L; Breitner, J C S; Montine, T J	Neurology (2010 Sep 28) 75 / 1203-10	PubMed Cita
Novel antibody capture assay for paraffin-embedded tissue detects wide-ranging amyloid beta and pair ...	Postupna, Nadia; Rose, Shannon E; Bird, Thomas D; Gonzalez-Cuyar, Luis F; Sonnen, Joshua A; Larson, Eric B; Keene, C Dirk; Montine, Thomas J	Brain Pathol (2012 Jul) 22 / 472-84	PubMed Cita
Nuclear factor kappaB activity determines the sensitivity of kidney epithelial cells to apoptosis: i ...	Dieguez-Acuna, Francisco J; Polk, William W; Ellis, Maureen E; Simmonds, P Lynne; Kushleika, John V; Woods, James S	Toxicol Sci (2004 Nov) 82 / 114-23	PubMed Cita
Olfactory Transcriptional Analysis of Salmon Exposed to Mixtures of Chlorpyrifos and Malathion Revea ...	Wang, Lu; Espinoza, Herbert M; MacDonald, James W; Bammler, Theo K; Williams, Chase R; Yeh, Andrew; Louie, Ke'ale W; Marcinek, David J; Gallagher, Evan P	Toxicol Sci (2016 Jan) 149 / 145-57	PubMed Cita
Over expression of glutamate cysteine ligase increases cellular resistance to H2O2-induced DNA singl ...	Shi, Shengli; Hudson, Francesca N; Botta, Dianne; McGrath, Monica B; White, Collin C; Neff-LaFord, Haley D; Dabrowski, Michael J; Singh, Narendra P; Kavanagh, Terrance J	Cytometry A (2007 Sep) 71 / 686-92	PubMed Cita
p38 MAP kinase mediates apoptosis through phosphorylation of BimEL at Ser-65.	Cai, Beibei; Chang, Sandra H; Becker, Esther B E; Bonni, Azad; Xia, Zhengui	J Biol Chem (2006 Sep 01) 281 / 25215-22	PubMed Cita
Pancreatic neoplasia induced by ras expression in acinar cells of transgenic mice.	Quaife, C J; Pinkert, C A; Ornitz, D M; Palmiter, R D; Brinster, R L	Cell (1987 Mar 27) 48 / 1023-34	PubMed Cita
Paraoxonase 1 promoter and coding region polymorphisms in Parkinson's disease.	Kelada, S N; Costa-Mallen, P; Checkoway, H; Viernes, H A; Farin, F M; Smith-Weller, T; Franklin, G M; Costa, L G; Longstreth Jr, W T; Furlong, C E; Jarvik, G P; Swanson, P D	J Neurol Neurosurg Psychiatry (2003 Apr) 74 / 546-7	PubMed Cita

pH neutralization protects against reduction in replicative lifespan following chronological aging i ...	Murakami, Christopher; Delaney, Joe R; Chou, Annie; Carr, Daniel; Schleit, Jennifer; Sutphin, George L; An, Elroy H; Castanza, Anthony S; Fletcher, Marissa; Goswami, Sarani; Higgins, Sean; Holmberg, Mollie; Hui, Jessica; Jelic, Monika; Jeong, Ki-Soo; Kim, Jin R; Klum, Shannon; Liao, Eric; Lin, Michael S; Lo, Winston; Miller, Hillary; Moller, Richard; Peng, Zhao J; Pollard, Tom; Pradeep, Prarthana; Pruett, Dillon; Rai, Dilreet; Ros, Vanessa; Schuster, Alex; Singh, Minnie; Spector, Benjamin L; Vander Wende, Helen; Wang, Adrienne M; Wasko, Brian M; Olsen, Brady; Kaeberlein, Matt	Cell Cycle (2012 Aug 15)	11 / 3087-96	PubMed Cita
Phorbol ester stimulation of the type I and type III adenylyl cyclases in whole cells.	Choi, E J; Wong, S T; Dittman, A H; Storm, D R	Biochemistry (1993 Mar 2)	32 / 1891-4	PubMed Cita
Phosphorylated α -synuclein in Parkinson's disease: correlation depends on disease severity.	Stewart, Tessandra; Sossi, Vesna; Aasly, Jan O; Wszolek, Zbigniew K; Uitti, Ryan J; Hasegawa, Kazuko; Yokoyama, Teruo; Zabetian, Cyrus P; Leverenz, James B; Stoessl, Alexander Jon; Wang, Yu; Ginghina, Carmen; Liu, Changqin; Cain, Kevin C; Auinger, Peggy; Kang, Un Jung; Jensen, Poul Henning; Shi, Min; Zhang, Jing	Acta Neuropathol Commun (2015)	3 / 7	PubMed Cita
Phthalate metabolism and kinetics in an in vitro model of testis development.	Harris, Sean; Wegner, Susanna; Hong, Sung Woo; Faustman, Elaine M	Toxicol In Vitro (2016 Apr)	32 / 123-31	PubMed Cita

Pituitary adenylyl cyclase activating polypeptide inhibits gli1 gene expression and proliferation in ...	Cohen, Joseph R; Resnick, Daniel Z; Niewiadomski, Pawel; Dong, Hongmei; Liau, Linda M; Waschek, James A	BMC Cancer (2010)	10 / 676	PubMed Cita
Preparation of rodent testis co-cultures.	Wegner, Susanna; Hong, Sungwoo; Yu, Xiaozhong; Faustman, Elaine M	Curr Protoc Toxicol (2013 Feb)	Chapter 16 / Unit 16.10	PubMed Cita
Promoter region analysis of the rat CYP2B1 and CYP2B2 genes.	Sommer, K M; Ramsden, R; Sidhu, J; Costa, P; Omiecinski, C J	Pharmacogenetics ()	6 / 369-74	PubMed Cita
Prostaglandin E2 receptor subtype 2 regulation of scavenger receptor CD36 modulates microglial Aβ42 ...	Li, Xianwu; Melief, Erica; Postupna, Nadia; Montine, Kathleen S; Keene, C Dirk; Montine, Thomas J	Am J Pathol (2015 Jan)	185 / 230-9	PubMed Cita
Protection of hippocampal neurogenesis from toll-like receptor 4-dependent innate immune activation ...	Keene, C Dirk; Chang, Rubens; Stephen, Christina; Nivison, Mary; Nutt, Samuel E; Look, Amy; Breyer, Richard M; Horner, Phillip J; Hevner, Robert; Montine, Thomas J	Am J Pathol (2009 Jun)	174 / 2300-9	PubMed Cita
Proteomic analysis of acetaminophen-induced changes in mitochondrial protein expression using spectr ...	Stamper, Brendan D; Mohar, Isaac; Kavanagh, Terrance J; Nelson, Sidney D	Chem Res Toxicol (2011 Apr 18)	24 / 549-58	PubMed Cita
Rapid activation of glutamate cysteine ligase following oxidative stress.	Krejsa, Cecile M; Franklin, Christopher C; White, Collin C; Ledbetter, Jeffrey A; Schieven, Gary L; Kavanagh, Terrance J	J Biol Chem (2010 May 21)	285 / 16116-24	PubMed Cita
Rare coding variation in paraoxonase-1 is associated with ischemic stroke in the NHLBI Exome Sequenc ...	Kim, Daniel Seung; Crosslin, David R; Auer, Paul L; Suzuki, Stephanie M; Marsillac, Judit; Burt, Amber A; Gordon, Adam S; Meschia, James F; Nalls, Mike A; Worrall, Bradford B; Longstreth Jr, W T; Gottesman, Rebecca F; Furlong, Clement E; Peters, Ulrike; Rich, Stephen S; Nickerson, Deborah A; Jarvik, Gail	J Lipid Res (2014 Jun)	55 / 1173-8	PubMed Cita

	P; NHLBI Exome Sequencing Project			
Reactivity of Hg(II) with superoxide: evidence for the catalytic dismutation of superoxide by Hg(II) ...	Miller, D M; Lund, B O; Woods, J S	J Biochem Toxicol (1991)	6 / 293-8	PubMed Cita
Redesigning the substrate specificity of human O(6)-alkylguanine-DNA alkyltransferase. Mutants with ...	Encell, L P; Loeb, L A	Biochemistry (1999 Sep 14)	38 / 12097-103	PubMed Cita
Redox activities of mercury-thiol complexes: implications for mercury-induced porphyria and toxicity ...	Miller, D M; Woods, J S	Chem Biol Interact (1993 Jul)	88 / 23-35	PubMed Cita
Reduced transcript expression of genes affected by inherited and de novo CNVs in autism.	Nord, Alex S; Roeb, Wendy; Dickel, Diane E; Walsh, Tom; Kusenda, Mary; O'Connor, Kristen Lewis; Malhotra, Dheeraj; McCarthy, Shane E; Stray, Sunday M; Taylor, Susan M; Sebat, Jonathan; STAART Psychopharmacology Network; King, Bryan; King, Mary-Claire; McClellan, Jon M	Eur J Hum Genet (2011 Jun)	19 / 727-31	PubMed Cita
Regulation of intracellular glutathione in rat embryos and visceral yolk sacs and its effect on 2-ni ...	Harris, C; Namkung, M J; Juchau, M R	Toxicol Appl Pharmacol (1987 Mar 30)	88 / 141-52	PubMed Cita
Relationships between deficits in tissue mass and transcriptional programs after partial hepatectomy ...	Li, Jiangning; Campbell, Jean S; Mitchell, Claudia; McMahan, Ryan S; Yu, Xuesong; Riehle, Kimberly J; Bumgarner, Roger E; Fausto, Nelson	Am J Pathol (2009 Sep)	175 / 947-57	PubMed Cita
Relative contributions of severe dopaminergic neuron ablation and dopamine depletion to cognitive im ...	Morgan, R Garrett; Gibbs, Jeffrey T; Melief, Erica J; Postupna, Nadia O; Sherfield, Emily E; Wilson, Angela; Keene, C Dirk; Montine, Thomas J; Palmiter, Richard D; Darvas, Martin	Exp Neurol (2015 Sep)	271 / 205-14	PubMed Cita
Response to DNA damage of CHEK2 missense mutations in familial breast cancer.	Roeb, Wendy; Higgins, Jake; King, Mary-Claire	Hum Mol Genet (2012 Jun 15)	21 / 2738-44	PubMed Cita
Role of cerebrospinal fluid and plasma biomarkers in the diagnosis of neurodegenerative disorders an ...	Gonzalez-Cuyar, Luis F; Sonnen, Joshua A; Montine, Kathleen S; Keene, C Dirk; Montine, Thomas J	Curr Neurol Neurosci Rep (2011 Oct)	11 / 455-63	PubMed Cita

Role of spermatozoal platelet-activating factor in fertilization.	Kuzan, F B; Geissler, F T; Henderson Jr, W R	Prostaglandins (1990 Jan)	39 / 61-74	PubMed Cita
Roles of DNA polymerase I in leading and lagging-strand replication defined by a high-resolution mut ...	Allen, Jennifer M; Simcha, David M; Ericson, Nolan G; Alexander, David L; Marquette, Jacob T; Van Biber, Benjamin P; Troll, Chris J; Karchin, Rachel; Bielas, Jason H; Loeb, Lawrence A; Camps, Manel	Nucleic Acids Res (2011 Sep 1)	39 / 7020-33	PubMed Cita
Rotenone and paraquat do not directly activate microglia or induce inflammatory cytokine release.	Klintworth, Heather; Garden, Gwenn; Xia, Zhengui	Neurosci Lett (2009 Oct 2)	462 / 1-5	PubMed Cita
Rotenone-induced apoptosis is mediated by p38 and JNK MAP kinases in human dopaminergic SH-SY5Y cell ...	Newhouse, Kathleen; Hsuan, Shih-Ling; Chang, Sandra H; Cai, Beibei; Wang, Yupeng; Xia, Zhengui	Toxicol Sci (2004 May)	79 / 137-46	PubMed Cita
Sensitivity of mouse lung fibroblasts heterozygous for GPx4 to oxidative stress.	Garry, Michael R; Kavanagh, Terrance J; Faustman, Elaine M; Sidhu, Jaspreet S; Liao, Reiling; Ware, Carol; Vliet, Portia A; Deeb, Samir S	Free Radic Biol Med (2008 Mar 15)	44 / 1075-87	PubMed Cita
Sensitization of olfactory guanylyl cyclase to a specific imprinted odorant in coho salmon.	Dittman, A H; Quinn, T P; Nevitt, G A; Hacker, B; Storm, D R	Neuron (1997 Aug)	19 / 381-9	PubMed Cita
Sequence and gene expression of rabbit cytochrome P450 IIC16: comparison to highly related family me ...	Hassett, C; Omiecinski, C J	Nucleic Acids Res ()	18 / 1429-34	PubMed Cita
Sex and genetic differences in the effects of acute diesel exhaust exposure on inflammation and oxid ...	Cole, Toby B; Coburn, Jacki; Dao, Khoi; Roqué, Pam; Chang, Yu-Chi; Kalia, Vrinda; Guilarte, Tomas R; Dziedzic, Jennifer; Costa, Lucio G	Toxicology (2016 Dec 30)	374 / 1-9	PubMed Cita
Single-fraction radiation therapy in patients with metastatic Merkel cell carcinoma.	Iyer, Jayasri G; Parvathaneni, Upendra; Gooley, Ted; Miller, Natalie J; Markowitz, Elan; Blom, Astrid; Lewis, Christopher W; Doumani, Ryan F; Parvathaneni, Kaushik; Anderson, Austin; Bestick, Amy; Liao, Jay; Kane, Gabrielle; Bhatia, Shailender; Paulson, Kelly; Ngheim,	Cancer Med (2015 Aug)	4 / 1161-70	PubMed Cita

Sir2 deletion prevents lifespan extension in 32 long-lived mutants.	Paul Delaney, Joe R; Sutphin, George L; Dulken, Ben; Sim, Sylvia; Kim, Jin R; Robison, Brett; Schleit, Jennifer; Murakami, Christopher J; Carr, Daniel; An, Elroy H; Choi, Eunice; Chou, Annie; Fletcher, Marissa; Jelic, Monika; Liu, Bin; Lockshon, Daniel; Moller, Richard M; Pak, Diana N; Peng, Qi; Peng, Zhao J; Pham, Kim M; Sage, Michael; Solanky, Amrita; Steffen, Kristan K; Tsuchiya, Mitsuhiro; Tsuchiyama, Scott; Johnson, Simon; Raabe, Chris; Suh, Yousin; Zhou, Zhongjun; Liu, Xinguang; Kennedy, Brian K; Kaeberlein, Matt	Aging Cell (2011 10 / 1089-91	PubMed Cita Dec)
Sister chromatid exchange analysis in cultured peripheral blood leukocytes of the coldwater marine f ...	Zakour, H R; Landolt, M L; Kocan, R M	Basic Life Sci (1984)	29 Pt B / 493-508
Software for counting cells and estimating structural volumes with the optical disector and fraction ...	Bolender, R P; Charleston, J S	Microsc Res Tech	25 / 314-24
Species susceptibility to aflatoxin B1 carcinogenesis: comparative kinetics of microsomal biotransfo ...	Ramsdell, H S; Eaton, D L	Cancer Res (1990 Feb 1)	50 / 615-20
Stress profiling of longevity mutants identifies Afg3 as a mitochondrial determinant of cytoplasmic ...	Delaney, Joe R; Ahmed, Umema; Chou, Annie; Sim, Sylvia; Carr, Daniel; Murakami, Christopher J; Schleit, Jennifer; Sutphin, George L; An, Elroy H; Castanza, Anthony; Fletcher, Marissa; Higgins, Sean; Jelic, Monika; Klum, Shannon; Muller, Brian; Peng, Zhao J; Rai, Dilreet; Ros, Vanessa; Singh, Minnie; Wende, Helen V; Kennedy, Brian K; Kaeberlein, Matt	Aging Cell (2013 Feb)	12 / 156-66

Structure, function, and post-translational regulation of the catalytic and modifier subunits of glu ...	Franklin, Christopher C; Backos, Donald S; Mohar, Isaac; White, Collin C; Forman, Henry J; Kavanagh, Terrance J	Mol Aspects Med	30 / 86-98	PubMed Cita
Targeted gene evolution in Escherichia coli using a highly error-prone DNA polymerase I.	Camps, Manel; Naukkarinen, Jussi; Johnson, Ben P; Loeb, Lawrence A	Proc Natl Acad Sci U S A	100 / 9727-32 Aug 19)	PubMed Cita
Targeted mutagenesis in E. coli: A powerful tool for the generation of random mutant libraries.	Camps, Manel; Loeb, Lawrence A	Discov Med	3 / 36-7 (2003 Oct)	PubMed Cita
Taxol induces apoptosis in cortical neurons by a mechanism independent of Bcl-2 phosphorylation.	Figueroa-Masot, X A; Hetman, M; Higgins, M J; Kokot, N; Xia, Z	J Neurosci	(2001 Jul 1) 21 / 4657-67	PubMed Cita
Taxol-induced bundling of brain-derived microtubules.	Turner, P F; Margolis, R L	J Cell Biol	(1984 Sep) 99 / 940-6	PubMed Cita
Tether mutations that restore function and suppress pleiotropic phenotypes of the C. elegans <i>isp-1(q</i> ...	Jafari, Gholamali; Wasko, Brian M; Tonge, Ashley; Schurman, Nathan; Dong, Cindy; Li, Zhongyu; Peters, Rebecca; Kayser, Ernst-Bernhard; Pitt, Jason N; Morgan, Phil G; Sedensky, Margaret M; Crofts, Antony R; Kaeberlein, Matt	Proc Natl Acad Sci U S A	(2015 Nov 10) 112 / E6148-57	PubMed Cita
The activation of M1 muscarinic receptor signaling induces neuronal differentiation in pyramidal hip ...	VanDeMark, Kathryn L; Guizzetti, Marina; Giordano, Gennaro; Costa, Lucio G	J Pharmacol Exp Ther	(2009 May) 329 / 532-42	PubMed Cita
The atrophy and changes in the cellular compositions of the thymus and spleen observed in mice subje ...	Qazi, Mousumi; Rahman; Xia, Zhenlei; Bogdanska, Jasna; Chang, Shu-Ching; Ehresman, Dave J; Butenhoff, John L; Nelson, B Dean; DePierre, Joseph W; Abedi-Valugerdi, Manuchehr	Toxicology	(2009 Jun 16) 260 / 68-76	PubMed Cita
The effect of antioxidants on oxidative DNA damage induced by visible-light-irradiated camphorquinon ...	Winter, Kyle; Pagoria, Dustin; Geurtzen, Werner	Biomaterials	(2005 Sep) 26 / 5321-9	PubMed Cita
The effects of methyl mercury binding to microtubules.	Vogel, D G; Margolis, R L; Mottet, N K	Toxicol Appl Pharmacol	(1985 Sep 30) 80 / 473-86	PubMed Cita

The glutathione synthesis gene Gclm modulates amphiphilic polymer-coated CdSe/ZnS quantum dot-induce ...	McConnachie, Lisa A; Botta, Dianne; White, Collin C; Weldy, Chad S; Wilkerson, Hui-Wen; Yu, Jianbo; Dills, Russell; Yu, Xiaozhong; Griffith, William C; Faustman, Elaine M; Farin, Federico M; Gill, Sean E; Parks, William C; Hu, Xiaoge; Gao, Xiaohu; Eaton, David L; Kavanagh, Terrance J	PLoS One (2013) 8 / e64165	PubMed Cita	
The magnitude of methylmercury-induced cytotoxicity and cell cycle arrest is p53-dependent.	Gribble, Elizabeth J; Hong, Sung-Woo; Faustman, Elaine M	Birth Defects Res A Clin Mol Teratol (2005 Jan)	PubMed Cita	
The MDT-15 subunit of mediator interacts with dietary restriction to modulate longevity and fluorant ...	Schleit, Jennifer; Wall, Valerie Z; Simko, Marissa; Kaeberlein, Matt	PLoS One (2011) 6 / e28036	PubMed Cita	
The mitochondrial unfolded protein response and increased longevity: cause, consequence, or correlat ...	Bennett, Christopher F; Kaeberlein, Matt	Exp Gerontol (2014 Aug)	56 / 142-6	PubMed Cita
The presence of macrophages and inflammatory responses in an in vitro testicular co-culture model of ...	Harris, Sean; Shubin, Sara Pacheco; Wegner, Susanna; Van Ness, Kirk; Green, Foad; Hong, Sung Woo; Faustman, Elaine M	Toxicol In Vitro (2016 Oct)	36 / 210-5	PubMed Cita
The rat elastase I regulatory element is an enhancer that directs correct cell specificity and devel ...	Hammer, R E; Swift, G H; Ornitz, D M; Quaife, C J; Palmiter, R D; Brinster, R L; MacDonald, R J	Mol Cell Biol (1987 Aug)	7 / 2956-67	PubMed Cita
The role of cell death during neocortical neurogenesis and synaptogenesis: implications from a compu ...	Gohlke, Julia M; Griffith, William C; Faustman, Elaine M	Brain Res Dev Brain Res (2004 Jul 19)	151 / 43-54	PubMed Cita
The role of intracellular glutathione in methylmercury-induced toxicity in embryonic neuronal cells.	Ou, Y C; White, C C; Krejsa, C M; Ponce, R A; Kavanagh, T J; Faustman, E M	Neurotoxicology (1999 Oct)	20 / 793-804	PubMed Cita
Tissue levels of retinoids in human embryos/fetuses.	Kraft, J C; Shepard, T; Juchau, M R	Reprod Toxicol (1993)	7 / 11-5	PubMed Cita
Tissue specific changes in the expression of glutamate-cysteine ligase mRNAs in mice exposed to meth ...	Diaz, D; Krejsa, C M; White, C C; Keener, C L; Farin, F M; Kavanagh, T J	Toxicol Lett (2001 Jun 20)	122 / 119-29	PubMed Cita

Toll-like receptor 4 and myeloid differentiation factor 88 provide mechanistic insights into the cau ...	Vaquero, Javier; Campbell, Jean S; Haque, Jamil; McMahan, Ryan S; Riehle, Kimberly J; Bauer, Renay L; Fausto, Nelson	Hepatology (2011 Aug) 54 / 597-608	PubMed Cita
Toxicity of four alkylating agents on in vitro rat embryo differentiation and development.	Seeley, M R; Faustman, E M	Fundam Appl Toxicol (1995 Jun) 26 / 136-42	PubMed Cita
Transcription errors induce proteotoxic stress and shorten cellular lifespan.	Vermulst, Marc; Denney, Ashley S; Lang, Michael J; Hung, Chao-Wei; Moore, Stephanie; Moseley, M Arthur; Moseley, Arthur M; Thompson, J Will; Thompson, William J; Madden, Victoria; Gauer, Jacob; Wolfe, Katie J; Summers, Daniel W; Schleit, Jennifer; Sutphin, George L; Haroon, Suraiya; Holczbauer, Agnes; Caine, Joanne; Jorgenson, James; Cyr, Douglas; Kaeberlein, Matt; Strathern, Jeffrey N; Duncan, Mara C; Erie, Dorothy A	Nat Commun (2015) 6 / 8065	PubMed Cita
Transcriptional biomarkers and mechanisms of copper-induced olfactory injury in zebrafish.	Tilton, Fred; Tilton, Susan C; Bammler, Theo K; Beyer, Richard; Farin, Frederico; Stapleton, Patricia L; Gallagher, Evan P	Environ Sci Technol (2008 Dec 15) 42 / 9404-11	PubMed Cita
Transcriptional impact of organophosphate and metal mixtures on olfaction: copper dominates the chlo ...	Tilton, Fred A; Tilton, Susan C; Bammler, Theo K; Beyer, Richard P; Stapleton, Patricia L; Scholz, Nathaniel L; Gallagher, Evan P	Aquat Toxicol (2011 Apr) 102 / 205-15	PubMed Cita
Use of Pol I-deficient <i>E. coli</i> for functional complementation of DNA polymerase.	Camps, Manel; Loeb, Lawrence A	Methods Mol Biol (2003) 230 / 11-8	PubMed Cita
Using 'omics' to define pathogenesis and biomarkers of Parkinson's disease.	Caudle, W Michael; Bammler, Theo K; Lin, Yvonne; Pan, Sheng; Zhang, Jing	Expert Rev Neurother (2010 Jun) 10 / 925-42	PubMed Cita

Valproate hydroxylation by human fetal tissues and embryotoxicity of metabolites.	Rettie, A E; Rettenmeier, A W; Beyer, B K; Baillie, T A; Juchau, M R	Clin Pharmacol Ther (1986 Aug)	40 / 172-7	PubMed Cita
Viral error catastrophe by mutagenic nucleosides.	Anderson, Jon P; Daifuku, Richard; Loeb, Lawrence A	Annu Rev Microbiol (2004)	58 / 183-205	PubMed Cita
Werner Syndrome, aging and cancer.	Ozgenc, A; Loeb, L A	Genome Dyn (2006)	1 / 206-17	PubMed Cita
When pol I goes into high gear: processive DNA synthesis by pol I in the cell.	Camps, Manel; Loeb, Lawrence A	Cell Cycle (2004 Feb)	3 / 116-8	PubMed Cita
Whole exome sequencing and homozygosity mapping identify mutation in the cell polarity protein GPSM2 ...	Walsh, Tom; Shahin, Hashem; Elkan-Miller, Tal; Lee, Ming K; Thornton, Anne M; Roeb, Wendy; Abu Rayyan, Amal; Loulus, Suheir; Avraham, Karen B; King, Mary-Claire; Kanaan, Moien	Am J Hum Genet (2010 Jul 9)	87 / 90-4	PubMed Cita
Yeast as a model to understand the interaction between genotype and the response to calorie restrict ...	Schleit, Jennifer; Wasko, Brian M; Kaeberlein, Matt	FEBS Lett (2012 Aug 31)	586 / 2868-73	PubMed Cita
Yeast replicative aging: a paradigm for defining conserved longevity interventions.	Wasko, Brian M; Kaeberlein, Matt	FEMS Yeast Res (2014 Feb)	14 / 148-59	PubMed Cita
α -Synuclein, a chemoattractant, directs microglial migration via H2O2-dependent Lyn phosphorylation.	Wang, Shijun; Chu, Chun-Hsien; Stewart, Tessandra; Ginghina, Carmen; Wang, Yifei; Nie, Hui; Guo, Mingri; Wilson, Belinda; Hong, Jau-Shyong; Zhang, Jing	Proc Natl Acad Sci U S A (2015 Apr 14)	112 / E1926-35	PubMed Cita